

### **REMARKS**

Claims 1 through 22 were presented for examination and were rejected. The claims remain pending and unchanged.

The specification has been amended to fill-in the serial number of the co-pending application and to change the Attorney's Docket No. for the case.

The applicants appreciate having the Office change the Attorney Docket No. for this case in the PALM system.

The applicants respectfully traverse the rejection and request reconsideration in light of the following remarks.

#### **35 U.S.C. 102 Rejection of Claims 1-6, 8-13, and 15-22**

Claims 1 through 6, 8 through 13, and 15 through 22 were rejected under 35 U.S.C. 102(e) as being anticipated by R.W. Scheussler et al., U.S. Patent 6,366,950 B1, issued 2 April 2002 (hereinafter "Scheussler"). The applicants respectfully traverse the rejection.

Claim 1 recites:

**1.** (Original) A method comprising:  
hashing at a first processor a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource;  
transmitting from said first processor to a second processor said hash key and a request for said first resource; and  
receiving at said first processor a second resource in response to the transmission of said hash key and said request for said first resource.  
(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 1 recites – namely the transmission of (1) a hash key that is based on a first resource identifier, and (2) a request for the first resource.

A careful reading of Scheussler demonstrates that there is no reasonable interpretation of Scheussler that anticipates claim 1 or renders claim 1 unpatentable as obvious in light of Scheussler.

For example, if the Office reads "computer 20," the "ID number," and the "first hashed ID number" of Scheussler onto the "first processor," the "first resource identifier," and the "hash key, respectively, of claim 1, a logical problem is created. If indeed Scheussler's "ID number" reads on claim 1's "first resource identifier" and claim 1 recites that "said first resource identifier identifies a first resource," then the Office's reading of

Scheussler compels the conclusion that Scheussler's "ID number identifies a first resource." That conclusion along with the fact that Scheussler teaches that a computer's ID number unambiguously and uniquely identifies its microprocessor, then a logical conflict is created.

To show that Scheussler teaches that a computer's ID number unambiguously and uniquely identifies its microprocessor, Scheussler states:

*The computer 2 includes an identification module 8 that provides a unique identification number or serial number for the microprocessor.* In one embodiment, the identification module 8 is implemented within the microprocessor. *The identification number, hereinafter referred to as the ID number, is permanently stored within the microprocessor* and, thus, secured against unauthorized manipulation.

Scheussler at Col. 4, lines 59-65 (*emphasis added*)

The logical conflict arises then when Scheussler is further read onto claim 1. The second task of claim 1 recites "transmitting from said first processor . . . a request for said first resource." If then, as proven above, Scheussler's computer ID number identifies it's microprocessor, then the second task of claim 1 would mean that Scheussler's computer is transmitting a request for itself! This is clearly absurd and unquestionably points out the illogic in attempting to read Scheussler onto the claim.

This reasoning is supported by the understanding that the technology of Scheussler and the present application bear only a superficial similarity – both teach networked computers and the use of hash functions, but Scheussler pertains to authentication and the present invention pertains to distributed caching. This does not mean, of course, that the present claims cannot be infringed by systems that perform authentication in general or Scheussler's technique in particular, but only that it helps to understand why Scheussler cannot reasonably be read onto the present claims.

For this reason, the applicants respectfully submit that the rejection of claim 1 is overcome.

Because claims 2 through 6 depend on claim 1, and because the other references fail to cure the deficiency of Scheussler, the applicants respectfully submit that the rejection of them is also overcome.

Claim 8 recites:

**8.** (Original) An apparatus comprising:  
a first processor for hashing a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource;  
a transmitter for transmitting said hash key and a request for said first resource to a second processor; and  
a receiver for receiving a second resource in response to the transmission of said hash key and said request for said first resource.  
(emphasis added)

For the reasons given above, nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 8 recites – namely the transmission of (1) a hash key that is based on a first resource identifier, and (2) a request for the first resource. For this reason, the applicants respectfully submit that the rejection of claim 8 is overcome.

Because claims 9 through 13 depend on claim 1, and because the other references fail to fill the deficiency of Scheussler, the applicants respectfully submit that the rejection of them is also overcome.

Claim 15 recites:

**15.** (Original) A method comprising:  
receiving a request for a first resource and a hash key that is a hashed function of a first resource identifier;  
retrieving said first resource and said first resource identifier from a data structure that is indexed by said hash key; and  
transmitting said first resource and said first resource identifier in response to said request for said first resource.  
(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 15 recites – namely the transmission of said first resource and said first resource identifier in response to said request for said first resource. For this reason, the applicants respectfully submit that the rejection of claim 15 is overcome.

Claim 16 recites:

**16.** (Original) An apparatus comprising:  
a receiver for receiving a request for a first resource and a hash key that is a hashed function of a first resource identifier;  
a processor for retrieving said first resource and said first resource identifier from a data structure that is indexed by said hash key; and  
a transmitter for transmitting said first resource and said first resource identifier in response to said request for said first resource.  
(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 16 recites – namely the transmission of said first resource and said first resource identifier in response to said request for said first resource. For this reason, the applicants respectfully submit that the rejection of claim 16 is overcome.

Claim 17 recites:

**17.** (Original) A method comprising:  
receiving at a first processor a first resource identifier that identifies a first resource, a hash key that is a hashed function of said first resource identifier, and a request for a first resource;  
retrieving a second resource and a second resource identifier from a data structure that is indexed by said hash key;  
verifying that said second resource is said first resource by comparing said second resource identifier to said first resource identifier; and  
transmitting said second resource to said first processor when said second resource is verified as said first resource.  
(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 17 recites – namely verifying that said second resource is said first resource by comparing said second resource identifier to said first resource identifier. For this reason, the applicants respectfully submit that the rejection of claim 17 is overcome.

Claim 18 recites:

**18.** (Original) An apparatus comprising:

a receiver for receiving at a first processor a first resource identifier that identifies a first resource, a hash key that is a hashed function of said first resource identifier, and a request for a first resource;

a processor for retrieving a second resource and a second resource identifier from a data structure that is indexed by said hash key, and for verifying that said second resource is said first resource by comparing said second resource identifier to said first resource identifier; and

a transmitter for transmitting said second resource to said first processor when said second resource is verified as said first resource.

*(emphasis supplied)*

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 18 recites – namely verifying that said second resource is said first resource by comparing said second resource identifier to said first resource identifier. For this reason, the applicants respectfully submit that the rejection of claim 18 is overcome.

Claim 19 recites:

**19.** (Original) A method comprising:

hashing at a first processor a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource;

transmitting from said first processor to a second processor said hash key and a request for said first resource when said all or a portion of said hash key is contained in a list of valid hash keys associated with said first processor; and

receiving at said first processor said first resource in response to the transmission of said hash key and said request for said first resource.

*(emphasis supplied)*

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 19 recites – namely transmitting from said first processor to a second processor said hash key and a request for said first resource. For this reason, the applicants respectfully submit that the rejection of claim 19 is overcome.

Claim 20 recites:

**20.** (Original) An apparatus comprising:  
a processor for hashing at a first processor a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource, and for verifying that all or a portion of said hash key is contained in a list of valid hash keys;  
a transmitter for transmitting from said first processor to a second processor said hash key and a request for said first resource; and  
a receiver for receiving said first resource in response to the transmission of said hash key and said request for said first resource.  
(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 20 recites – namely verifying that all or a portion of said hash key is contained in a list of valid hash keys. For this reason, the applicants respectfully submit that the rejection of claim 20 is overcome.

Claim 21 recites:

**21.** (Original) A method comprising:  
receiving at a first processor a request for a first resource and a first hash key that is a hashed function of a first resource identifier;  
retrieving a second resource and a first portion of a second hash key from a data structure that is indexed by a first portion of said first hash key;  
verifying that said second resource is said first resource by comparing a second portion of said first hash key to said first portion of said second hash key; and  
transmitting said second resource to said first processor when said second resource is verified as said first resource.  
(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 21 recites – namely verifying that said second resource is said first resource by comparing a second portion of said first hash key to said first portion of said second hash key. For this reason, the applicants respectfully submit that the rejection of claim 21 is overcome.

Claim 22 recites:

**22.** An apparatus comprising:

- a receiver for receiving at a first processor a request for a first resource and a first hash key that is a hashed function of a first resource identifier;
- a processor for retrieving a second resource and a first portion of a second hash key from a data structure that is indexed by a first portion of said first hash key, and for verifying that said second resource is said first resource by comparing a second portion of said first hash key to said first portion of said second hash key; and
- a transmitter for transmitting said second resource to said first processor when said second resource is verified as said first resource.

(emphasis supplied)

Nowhere does Scheussler teach or suggest, alone or in combination with the other references, what claim 21 recites – namely verifying that said second resource is said first resource by comparing a second portion of said first hash key to said first portion of said second hash key. For this reason, the applicants respectfully submit that the rejection of claim 21 is overcome.

**35 U.S.C. 103 Rejection of Claims 7 and 14**

Claims 7 and 14 were rejected under 35 U.S.C. 103(a) as being anticipated by R.W. Scheussler et al., U.S. Patent 6,366,950 B1, issued 2 April 2002 (hereinafter “Scheussler”) in view of S.A Haber et al., U.S. Patent 5,781,629, issued 14 July 1998 (hereinafter “Haber”). The applicants respectfully traverse the rejection.

Because claim 7 depends on independent claim 1, and because Haber fails to cure the deficiencies of Scheussler with respect to claim 1, the applicants respectfully submit that the rejection of claim 7 is traversed.

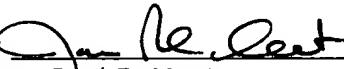
Because claim 14 depends on independent claim 8, and because Haber fails to cure the deficiencies of Scheussler with respect to claim 8, the applicants respectfully submit that the rejection of claim 14 is traversed.

**Request for Reconsideration Pursuant to 37 C.F.R. 1.111**

Having responded to each and every ground for objection and rejection in the Office action mailed 4 March 2004, applicants request reconsideration of the instant application pursuant to 37 CFR 1.111 and request that the Examiner allow all of the pending claims and pass the application to issue.

Should there remain unresolved issues the applicants respectfully request that Examiner telephone the applicants' attorney at 732-578-0103 x11 so that those issues can be resolved as quickly as possible.

Respectfully,  
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